BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

BYATARAYANAPURA DIVISION

KODIGEHALLI SUB DIVISION

Name of the Work : **Modified estimate for Improvements to roads and drains in Kodigehalli A.K. Colony and surrounding areas in ward no. 8 kodigehalli**

Job Code : 008-19-000008

Estimate Cost Rs.		*30,00,000/-*
Tender Amount Rs.		*21,68,177/-*
Executed Amount Rs.		*21,63,423/-*

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of the work: **Modified estimate for Improvements to roads and drains in Kodigehalli A.K. Colony and surrounding areas in ward no. 8 kodigehalli**

Estimate Cost: 2163423.13

Sl.No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
1	KSRRB M200-12.1. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. i) Lime /Cement Concrete. I. By Manual Means :A. Lime Concrete, cement concrete grade M-10 and below. MORTH Specification No. 202. (P.No. 139/ I. No. 18.17 of CSR 2018-19)								
	deck slabs top portion	Cum	2	31.00	5.00	0.30	93.00		
	deck slabs bottom portion	Cum	2	31.00	5.00	0.25	77.50		
	Total Qty						170.50	TP	
	Qty upto 125% of Tender qty						170.50	390.00	66495.00
	Qty Above 125% of Tender qty						0.00	393.27	0.00
	Basic Rate	454.00							
	Area Weightage @6%	27.24							
	Total	481.24							
	Tender Premium @ -18.28%	-87.97							
	Total	393.27							
2	Dismantling size stone masonry in clay mortar and stacking the size stone within a radius of 50m and removing the debris to a distance upto 200m (PWDSR 18-19, I. 37.48, P. 270).								
	side walls	cum	4	31.00	0.50	1.80	111.60		
	Total Qty						111.60	TP	
	Qty upto 125% of Tender qty						80.44	235.00	18902.81
	Qty Above 125% of Tender qty						31.16	234.75	7315.39
	Basic Rate	271.00							
	Area Weightage @6%	16.26							
	Total	287.26							
	Tender Premium @ -18.28%	-52.51							
	Total	234.75							
3	KSRRB M2100 Excavation in Marshy soil KSRRB 2100-5. Excavation in marshy soil upto 3m depth for foundations of structures as per drawing and technical specifications including removing the excavated stuff to a lead of 15m., including dewatering , shoring and shuttering, refilling trenches in 250mm layers, wherever necessary watering and ramming, including cost of all materials, labour complete as per specifications (PWDSR 2018-19, I. 27.11, P. 221)								
						Av.			
	inside vent	Cum	1	31.00	3.30	1.50	153.45		
	outside ssm walls	Cum	2	31.00	0.50	1.50	46.50		
	Bottom bed	Cum	1	31.00	4.00	0.50	62.00		

Sl.No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
	Ramps	Cum	1	7.80	5.00	0.50	19.50		
	Ramps	Cum	1	3.55	5.00	0.50	8.87		
	For clearance surrounding	Cum	1	31.00	1.50	0.60	27.90		
							318.22	TP	
	Total Qty						26.81	878.00	23541.37
	Qty upto 125% of Tender qty						291.41	855.75	249371.96
	Qty Above 125% of Tender qty								
	Basic Rate	902.00							
	Area Weightage @6%	54.12							
	Lead	91.05							
	Total	1047.17							
	Tender Premium @ -18.28%	-191.42							
	Total	855.75							
4	Diversion of water course by providing Coffer dams or bunds or islands as may be necessary for piers and abutments foundations, bailing out or pumping water during excavation and until completion etc., complete. - - beyond 1.50 mtrs depth upto & including 3m depth. (Page No. 269 / Item No. 37.41.2 / PWD SR 2018-19)								
		Cum	1	37.00	1.00	1.10	40.70		
	Total Qty						40.70	TP	
	Qty upto 125% of Tender qty						40.70	255.00	10378.50
	Qty Above 125% of Tender qty						0.00	256.41	0.00
	Basic Rate	296.00							
	Area Weightage @6%	17.76							
	Total	313.76							
	Tender Premium @ -18.28%	-57.35							
	Total	256.41							
5	Providing and Filling in foundation with granite / trap broken metal 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications. specification (Page No. 7 / Item No. 2.15 / PWD SR 2018-19)								
		cum	1	31.00	5.00	0.30	46.50		
	Total Qty						46.50	TP	
	Qty upto 125% of Tender qty						46.50	2111.00	98161.50
	Qty Above 125% of Tender qty						0.00	2104.08	0.00
	Basic Rate	2429.00							
	Area Weightage @6%	145.74							
	Total	2574.74							
	Tender Premium @ -18.28%	-470.66							
	Total	2104.08							
6	Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.13, I.No. 4.3 of PWD SR 2018-19)								
		cum	1	31.00	4.40	0.15	20.46		

Sl.No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
	Ramps	cum	1	7.80	5.00	0.15	5.85		
	Ramps	cum	1	3.55	5.00	0.15	2.66		
	Total Qty						28.97	TP	
	Qty upto 125% of Tender qty						28.97	4434.00	128452.98
	Qty Above 125% of Tender qty						0.00	4419.52	0.00
	Basic Rate	5102.00							
	Area Weightage @6%	306.12							
	Total	5408.12							
	Tender Premium @ -18.28%	-988.60							
	Total	4419.52							
7	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness above 200 mm including cost of all materials, labour complete as per Specification (Item No. 4.30 / P. 16. PWD SR 2018-19)								
	centering for deck slab	Sqm	1	31.00	4.00		124.00		
	for sides alround	Sqm	1	70.00	0.40		28.00		
	Total Qty						152.00	TP	
	Qty upto 125% of Tender qty						152.00	382.00	58064.00
	Qty Above 125% of Tender qty						0.00	381.15	0.00
	Basic Rate	440.00							
	Area Weightage @6%	26.40							
	Total	466.40							
	Tender Premium @ -18.28%	-85.25							
	Total	381.15							
8	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per specifications. (Page No. 16 / Item No. 4.31 / PWD SR 2018-19)								
	Centering for side	Sqm	4	31.00	1.80		223.20		
	Total Qty						223.20	TP	
	Qty upto 125% of Tender qty						223.20	311.00	69415.20
	Qty Above 125% of Tender qty						0.00	310.12	0.00
	Basic Rate	358.00							
	Area Weightage @6%	21.48							
	Total	379.48							
	Tender Premium @ -18.28%	-69.36							
	Total	310.12							
9	Providing and laying cement concrete using 20mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete for RCC works laid in 15 cm thick layers and well compacted including vibrating curing etc., with all lead and lift etc., complete. (exculsive of cost of steel and fabrication charges) - Ready mixed Cement concrete for Beams, Staircase and Roof with M-25 (Item No. 4..49.2 PWD SR 2018-19)								
	For laying over chipped cc drain								
	for bottom slab	Cum	1	31.00	4.00	0.40	49.60		
0.5	for haunches	Cum	4	31.00	0.30	0.30	5.58		

Sl.No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
	for side walls	Cum	2	31.00	0.30	1.80	33.48		
	for deck slab	Cum	1	31.00	4.00	0.40	49.60		
	Ramps	Cum	1	7.80	5.00	0.150	5.85		
	Ramps	Cum	1	3.55	5.00	0.150	2.66		
	Total Qty						146.77	TP	
	Qty upto 125% of Tender qty						146.77	4720.00	692754.40
	Qty Above 125% of Tender qty						0.00	4761.68	0.00
	Basic Rate	5497.00							
	Area Weightage @6%	329.82							
	Total	5826.82							
	Tender Premium @ -18.28%	-1065.14							
	Total	4761.68							
10	Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. (P. 18/ Item No. 4.46.2/ PWD SR 2018-19)								
	Raft foundation								
	bottom slab bottom 12mm dia @ 150c/c	kg	239	5.40	@	0.89	1147.20		
	bottmm slab top 20mm dia @ 100c/c	kg	388	3.90	@	2.46	3722.47		
	Dist 10mm dia @ 200c/c at bottom	kg	2	31.00	@	0.62	38.44		
	Dist 10mm dia @ 200c/c at top	kg	2	31.00	@	0.62	38.44		
	Haunch 10mm @ 150c/c	kg	239	1.75	@	0.62	259.31		
	Inner side wall 12mm @ 200c/c	kg	88	12.10	@	0.89	947.67		
	Outer side wall 12mm @ 150c/c	kg	120	3.60	@	0.89	384.48		
	Dist 10mm @ 200c/c	kg	20	7.80	@	0.62	96.72		
	Dist 10mm @ 200c/c	kg	68	7.80	@	0.62	328.84		
	top slab bottom20mm dia @ 100c/c	kg	388	3.90	@	2.46	3722.47		
	top slab top 12mm dia @ 150c/c	kg	239	5.40	@	0.89	1147.20		
	top slab Dist 10mm dia @ 200c/c at bottom	kg	2	31.00	@	0.62	38.44		
	top slab Dist 10mm dia @ 200c/c at top	kg	2	31.00	@	0.62	38.44		
							11910.12		
	Total Qty						11.91	TP	
	Qty upto 125% of Tender qty						11.91	61860.00	736760.02
	Qty Above 125% of Tender qty						0.00	61473.03	0.00
	Basic Rate	70966.00							
	Area Weightage @6%	4257.96							
	Total	75223.96							
	Tender Premium @ -18.28%	-13750.93							
	Total	61473.03							

Sl.No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
11	KSRRB M2200- Providing Weep Holes KSRRB M2200-8. Providing weep holes in Brick masonry / Plain / Reinforced concrete abutment, wing wall / return wall with 100 mm dia AC pipe, extending through the full width of the structure with slope of 1V :20H towards drawing foce. Complete as per drawing and Technical Specifications complete as per specifications (Page No. 229 / Item No. 28.10 / PWD SR 2018-19)								
		No	30.00				30.00		
	Total Qty						30.00	TP	
	Qty upto 125% of Tender qty						30.00	127.00	3810.00
	Qty Above 125% of Tender qty						0.00	127.34	0.00
	Basic Rate	147.00							
	Area Weightage @6%	8.82							
	Total	155.82							
	Tender Premium @ -18.28%	-28.48							
	Total	127.34							
	Total								2163423.13

CERTIFICATE:

1 The work spot has been inspected and the work is found necessary.

2 This estimate is prepared as per PWD SR of 2018-19 and quoted rates of Contractor

3 The provisions were made in this estimate are necessary and adequate.

4 This works come under B.B.M.P. limits.

Assistant Engineer
Ward No. 8
BBMP

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP

Executive Engineer
Byatarayanapura Division
BBMP

Technical Sanction
Accorded For RS 2163423.13
Head of A/C P3409
CER NO : 32 Dt: 28.10.2019

JA - CE (TYNK)